
 MSSRF Science for Sustainable Development	AgroMet Advisory Bulletin (AAB) Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchathram Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: amfu.kannivadi@gmail.com Fax: 044 – 22541319				
	District :	Dindigul	Forecast Period :	05/08/2023 to 09/08/2023	
	Bulletin No:	MSSRF/ DGL /062/ 2023	Release Date :	04/08/2023	

Significant past weather		From	01/08/2023	to	03/08/2023
Parameters	Past Weather				
Rainfall (mm)	0.0				
Maximum Temperature (°C)	40-41				
Minimum Temperature (°C)	25-26				
Sky Condition (Octas)	2-5				
Relative Humidity (%)	32-54				
Wind Speed (kmph)	13-14				

Ensemble Weather Forecast until 08:30Hrs of 09-08-2024

Parameters	05-08- 2023	06-08- 2023	07-08- 2023	08-08- 2023	09-08- 2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	2	4	8	7	4
Maximum Temperature (°C)	42	41	40	40	39
Minimum Temperature (°C)	26	25	25	24	24
Sky Condition (Octa)	8	5	7	8	8
Max. Relative Humidity (%)	60	70	70	70	70
Min. Relative Humidity (%)	30	40	40	40	30
Wind Speed (Kmph)	14	12	10	12	10
Wind Direction	NW	W	NW	NW	NW

SMS Advisory	Chances of light rain during 5, 6, 8, 9 Aug & Moderate rain on 7 Aug. Maximum temperature would be in the range of 39°C to 42°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 10-14 Kmph from, Northwest & West directions.
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General Advisory:

Extended range Forecast for next week (04th – 10th Aug 2023):

Rainfall:

As per extended range predictions, there is possibility of generally near normal to slightly above normal rainfall likely over the district during 04th to 10th August 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 04th to 10th August 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 04th to 10th August 2023.

Owing to high maximum temperature and moderate wind, more moisture loss will be expected and hence, more irrigation should be given to the standing crops.

Wind with the speed of 10 to 14 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Crossandra, Chilly & Animal Husbandry).

Crossandra:

The infestation of the nematode was noticed in Crossandra floral crop. The symptoms are stunted patches in the field, yellowing with puckering symptoms, internodal length reduced to give a rosette appearance, and lesions on the secondary and tertiary roots. To control, apply Paecilomyces Lilacinus W.P @ 2kg/acre, apply FYM @ 12 ½ tonne/ha and apply neem cake @ 500 kg/ha.

Chilly:

Treat the chilly seeds with 100gm of *Trichoderma viride* and 100gm of Bacillus Subtilis for the seeds required for 1 acre. It acts against damping off Die-back and fruit rot disease in chilly. Mixing chilly seeds with *Azospirillum* @ 2kg per acre will reduce the 25% Nitrogen need of the crop.

Animal Husbandry:

Heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30 minutes. Ensure adequate round-the-clock drinking water for animals, which should be provided under shade. Feeding should be practiced during the early morning, evening & night. Prefer grazing during early morning & late evening hours to avoid the scorching heat.